

**Notice of Allowability**

Application No.

10/797,891

Examiner

Dismerly E. Mercedes

Applicant(s)

CRONCH ET AL.

Art Unit

2651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amend. filed 1/23/2006.
2. ☒ The allowed claim(s) is/are 1-7, 9-19 and 21-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**WAYNE YOUNG**  
**SUPERVISORY PATENT EXAMINER**

## DETAILED ACTION

1. Applicant's amendment filed 1/23/2006 have been fully considered and entered.

### *Reasons for Allowance*

2. Claims 1-7, 9-19, and 21-24 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Independent Claim 1 is allowable over the prior art of record since the cited references, in particular Takada et al. (US 6,038,093); Klaassen et al. (US 5,168,395); Takada et al. (US 5,963,385), taken alone or in combination do not teach or suggest: *"removing a second sensed residual magnetization of said pole by supplying the transducer with a different, second demagnetizing current in accordance with a second profile."*

Independent Claim 13 is allowable over the prior art of record since the cited references, in particular Takada et al. (US 6,038,093); Klaassen et al. (US 5,168,395); Takada et al. (US 5,963,385), taken alone or in combination do not teach or suggest: *"a demagnetizing generator which applies a different, second demagnetizing current in accordance with a second profile in response to the sensed residual magnetization."*

Independent Claim 24 is allowable over the prior art of record since the cited references, in particular Takada et al. (US 6,038,093); Klaassen et al. (US 5,168,395); Takada et al. (US 5,963,385), taken alone or in combination do not teach or suggest: *"second means for removing said residual magnetization by supplying the transducer with a said demagnetizing current in accordance with a second profile selected in relation to the sensed residual magnetization, said second means further applying a first demagnetizing current in accordance with a different, first profile prior to the sensing by the first means."*

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Takada et al. (US 6,038,093); Klaassen et al. (US 5,168,395); Takada et al. (US 5,963,385); Deland, Jr. et al. (US 5,396,369); Bamba et al. (US 6,147,488); Ogura et al. (US 4,670,799) ; Soga et al. (US 4,821,127) ; Sato et al. (US 6,407,545 B1).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dismery E. Mercedes whose telephone number is 571-272-7558. The examiner can normally be reached on Monday - Friday, from 9:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne R. Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DM



**WAYNE YOUNG**  
**SUPERVISORY PATENT EXAMINER**